

Ye Poor Man's Emergency Alert System, 2/26/2020

Revised: 2.1

Added 1/8" (3.5mm), mono N.C.
Audio Jack that is N.O. when 1/8" plug
is inserted.
All Electronics # MMJ-S

Main Studio
Audio from
Boards. R/L
2 channel Audio

Midland # WR 120 Weather Radio.

Speaker Audio

Weather Radio Audio
(WX)

DC Power
Vack.

Ext
Alert
Jack.
(1/8")

Cloning
port.
(Not
used)

EXT ANT.

(RCA Phono)

RG-59
Coax

(9-12VDC,
300mA)

WX Radio
PC Power

~~RF2~~
RFC 2
WX Alert Trigger

Main Boards Audio

WX Radio Audio
Floating GND!!!

VHF TV Preamplifier, +10dB.

Out
F Type

RG-59
Coax

IN
F Type

Any 50, or 75, Ohm Coax.

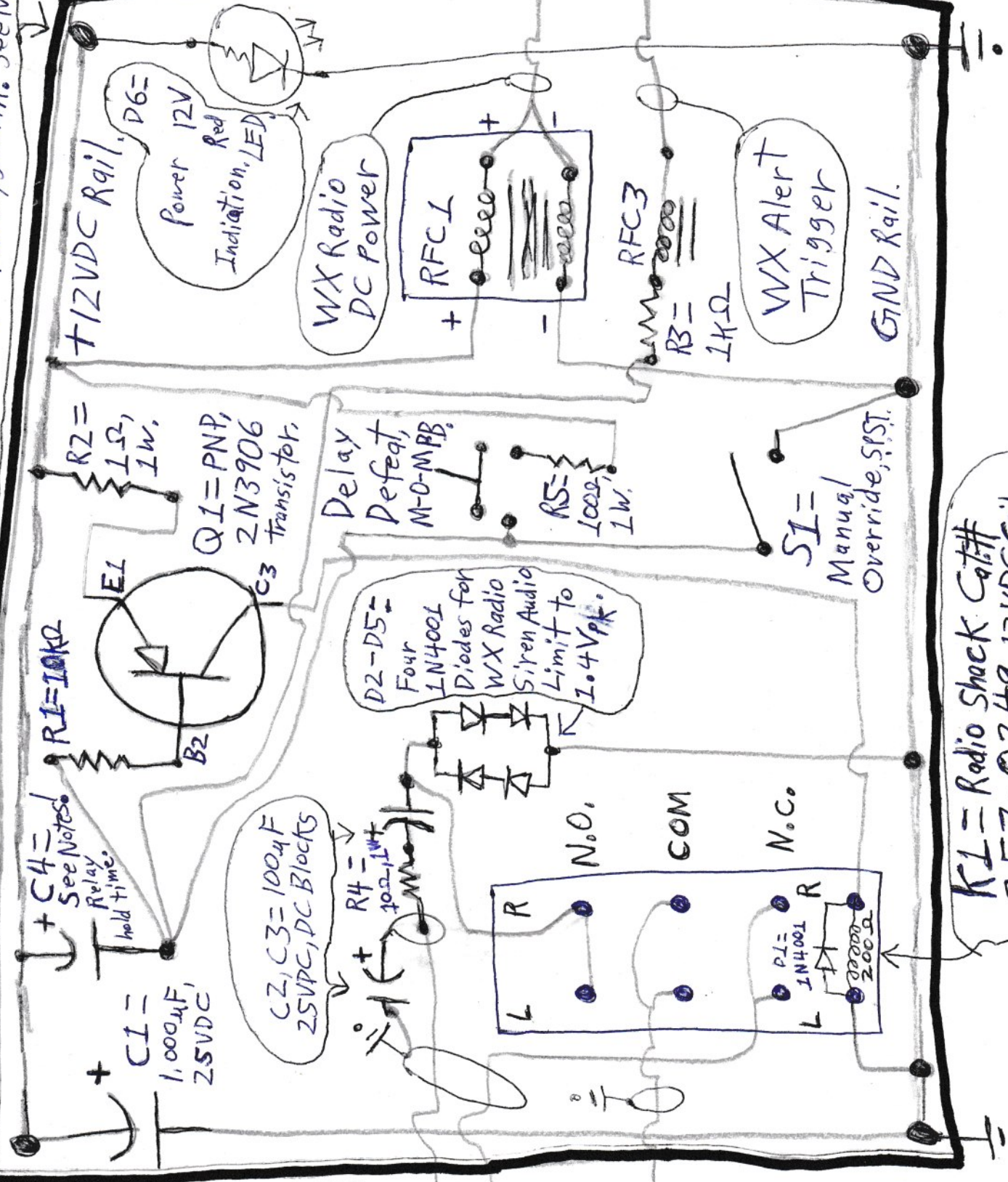
162 MHz

Dipole Antenna.



AC/DC power from transformed Wallwart 9VDC, 300mA. See Notes.

perf Board



From: WX Radio Audio,

From: Main Board Audio

To: Audio Limiter / TX.

K1 = Radio Shack Cat# 257-0249, 12VDC coil DPDT. relay, or equivalent.

WX Alert Trigger

WX Radio DC Power

Power 12V Red Indication, LED, D6=

+12VDC Rail, D6=

GND Rail.

RFC3

R3= 1K

RFC1

Delay Defeat, M-O-MRB.

R5= 100k, 1W.

S1= Manual Override, SPST.

D2-D5= Four 1N4001 Diodes for WX Radio Siren Audio Limit to 1.4Vpk.

C2, C3= 100uF 25VDC, DC Blocks

R4= 100k, 1W

+ C4= 1 See Notes. Relay hold time.

C1= 1,000uF, 25VDC

R1= 100k

Q1= PNP, 2N3906 transistor,

R2= 1.5, 1W.